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| --- | --- | --- | --- |
| **Organelles** | **Line Drawing** | **Image** | **Function(s)** |
| Free Ribosomes | C:\Users\lramoso\AppData\Local\Temp\msohtmlclip1\02\clip_image001.png  Ribosomes are round, dark staining organelles | C:\Users\lramoso\AppData\Local\Temp\msohtmlclip1\02\clip_image001.jpg  <http://images.protopage.com/view/721661/8avkeschjc8oei8vvjxrgo83w.jpg> | The synthesis (manufacture) of proteins (usually for use within the cell) |
| Rough Endoplasmic Reticulum | C:\Users\lramoso\AppData\Local\Temp\msohtmlclip1\02\clip_image001.png  Composed of a greatly convoluted but flattish sealed sac that is continuous with the nuclear membrane | C:\Users\lramoso\AppData\Local\Temp\msohtmlclip1\02\clip_image002.gif  <http://bass.bio.uci.edu/~hudel/bs99a/lecture22/rough_er-em.gif> | Production and processing of specific proteins at ribosomal sites that are later exported |
| Lysosome | C:\Users\lramoso\AppData\Local\Temp\msohtmlclip1\02\clip_image001.png  Lysosomes hold enzymes that were created by the cell | C:\Users\lramoso\AppData\Local\Temp\msohtmlclip1\02\clip_image003.jpg  <<http://www.historyforkids.org/scienceforkids/biology/cells/pictures/lysosomes.jpg>> | These organelles act as the disposal system of the cell |
| Golgi Apparatus | C:\Users\lramoso\AppData\Local\Temp\msohtmlclip1\02\clip_image001.png  The Golgi Apparatus are long organelles located close to the Nucleus | C:\Users\lramoso\AppData\Local\Temp\msohtmlclip1\02\clip_image004.jpg  <<http://singularityhub.com/wp-content/uploads/2009/08/golgi-apparatus-300x208.jpg>> | To carry out the processing of proteins generated in endoplasmic reticulum |
| Mitochondrion | Mitochondria are membrane-bound organelles, and like the nucleus have a double membrane. | C:\Users\lramoso\AppData\Local\Temp\msohtmlclip1\02\clip_image005.jpg  <<http://www.cytochemistry.net/cell-biology/mitmor4.jpg>> | The main function of the mitochondrion is the production of energy, in the form of adenosine triphosphate (ATP). The cell uses this energy to perform the specific work necessary for cell survival and function. |
| Nucleus | The nucleus is the "main power brain" of the cell | C:\Users\lramoso\AppData\Local\Temp\msohtmlclip1\02\clip_image006.png  <<http://upload.wikimedia.org/wikipedia/commons/5/57/Micrograph_of_a_cell_nucleus.png>> | The nucleus in a eukaryotic cell is the control center or brain of the cell. It stores all of the genetic information of the organism, and also controls all other cell activity |